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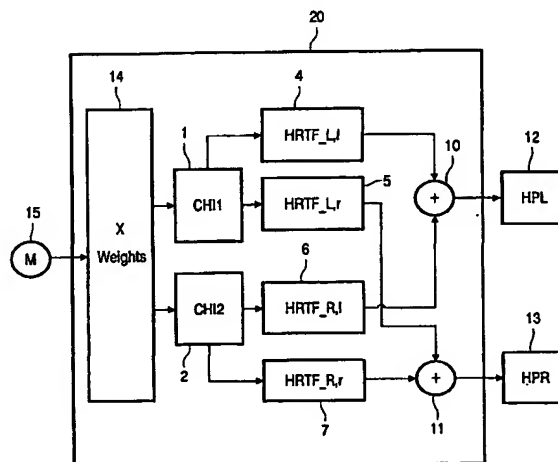
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(54) Title: GENERATION OF A SOUND SIGNAL



(57) Abstract: The present invention relates to a method and a media system of/for generation of at least one output signal (HPL, HPR) from at least one input signal from a second set of sound signals (M) having a related second set of Head Related Transfer Functions. The media system can be a TV, a CD player, a DVD player, a Radio, a display, an amplifier, a headphone or a VCR. Said method includes the steps of determining, for each signal in the second set of sound signals, a weighted relation (14) comprising at least one signal from a third set of intermediate sound signals (CHI1, CHI2) and at least one weight value (Weights); determining a first set of Head Related Transfer Functions (HRTFs) based on the second set of sound signals, the second set of Head Related Transfer Functions and the weighted relation; and transferring at least one signal from the third set of intermediate sound signals by means of at least one HRTF from said first set of Head Related Transfer Functions in order to generate at least one output signal belonging to said first set of sound signals. Hereby, in the end, fewer HRTFs are determined for a subsequent transfer of input signal(s) to output signal(s). Accordingly few convolutions are required.

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97/25834 A (VIRTUAL LISTENING SYSTEMS INC ; TUCKER TIMOTHY J (US); GREEN DAVID M () 17 July 1997 (1997-07-17) page 1, lines 5-8 page 3, line 5 - page 4, line 5 page 8, line 3 - page 9, line 20 page 10, line 11 - page 17, line 19 page 18, line 33 - page 20, line 33 page 23, line 15 - page 30, line 29	1-7
A	WO 99/04602 A (SONY PICTURES ENTERTAINMENT IN) 28 January 1999 (1999-01-28) page 1, line 20 - page 2, line 30 page 6, line 1 - page 13, line 23 ----- -/--	1-4,7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DE 42 37 710 A (KOENIG FLORIAN) 13 May 1993 (1993-05-13) column 1, lines 47-56 column 2, line 61 - column 3, line 12 column 5, line 23 - column 7, line 27 -----</p>	1-4, 7

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